RAW SEQUENCE LISTING
PATENT APPLICATION   *US/09/042,583*

INPUT SET: S24576.raw

> This Raw Listing contains the General
> Information Section and up to the first 5 pages.

```
 1                                    SEQUENCE LISTING
 2
 3     (1)      General Information:
 4
 5          (i) APPLICANT: Ni, Jian
 6                          Gentz, Reiner
 7                          Yu, Guo-Liang
 8                          Su, Jeffrey
 9                          Rosen, Craig A.
10
11         (ii) TITLE OF INVENTION: Death Domain Containing Receptor 5
12
13        (iii) NUMBER OF SEQUENCES: 12
14
15         (iv) CORRESPONDENCE ADDRESS:
16               (A) ADDRESSEE: Human Genome Sciences, Inc.
17               (B) STREET: 9410 Key West Avenue
18               (C) CITY: Rockville
19               (D) STATE: MD
20               (E) COUNTRY: US
21               (F) ZIP: 20850
22
23          (v) COMPUTER READABLE FORM:
24               (A) MEDIUM TYPE: Floppy disk
25               (B) COMPUTER: IBM PC compatible
26               (C) OPERATING SYSTEM: PC-DOS/MS-DOS
27               (D) SOFTWARE: PatentIn Release #1.0, Version #1.30
28
29         (vi) CURRENT APPLICATION DATA:
30               (A) APPLICATION NUMBER: US herewith
31               (B) FILING DATE:
32               (C) CLASSIFICATION:
33
34        (vii) PRIOR APPLICATION DATA:
35               (A) APPLICATION NUMBER: US 60/054,021
36               (B) FILING DATE: 29-JUL-1997
37
38        (vii) PRIOR APPLICATION DATA:
39               (A) APPLICATION NUMBER: US 60/040,846
40               (B) FILING DATE: 17-MAR-1997
41
42       (viii) ATTORNEY/AGENT INFORMATION:
43               (A) NAME: Hoover, Kenley
44               (B) REGISTRATION NUMBER: 40,302
45               (C) REFERENCE/DOCKET NUMBER: PF366
46
```

--> α 30

ENTERED

INPUT SET: S24576.raw

```
47          (ix) TELECOMMUNICATION INFORMATION:
48               (A) TELEPHONE: 3013098504
49               (B) TELEFAX: 3013098439
50
51
52     (2) INFORMATION FOR SEQ ID NO:1:
53
54          (i) SEQUENCE CHARACTERISTICS:
55               (A) LENGTH: 1600 base pairs
56               (B) TYPE: nucleic acid
57               (C) STRANDEDNESS: single
58               (D) TOPOLOGY: linear
59
60          (ii) MOLECULE TYPE: DNA (genomic)
61
62
63          (ix) FEATURE:
64               (A) NAME/KEY: sig_peptide
65               (B) LOCATION: 130..283
66
67          (ix) FEATURE:
68               (A) NAME/KEY: CDS
69               (B) LOCATION: 130..1362
70
71          (ix) FEATURE:
72               (A) NAME/KEY: mat_peptide
73               (B) LOCATION: 284..1362
74
75
76          (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:
77
78     CACGCGTCCG CGGGCGCGGC CGGAGAACCC CGCAATCTTT GCGCCCACAA AATACACCGA          60
79
80     CGATGCCCGA TCTACTTTAA GGGCTGAAAC CCACGGGCCT GAGAGACTAT AAGAGCGTTC         120
81
82     CCTACCGCC ATG GAA CAA CGG GGA CAG AAC GCC CCG GCC GCT TCG GGG           168
83               Met Glu Gln Arg Gly Gln Asn Ala Pro Ala Ala Ser Gly
84               -51 -50                -45                 -40
85
86     GCC CGG AAA AGG CAC GGC CCA GGA CCC AGG GAG GCG CGG GGA GCC AGG        216
87     Ala Arg Lys Arg His Gly Pro Gly Pro Arg Glu Ala Arg Gly Ala Arg
88               -35              -30                 -25
89
90     CCT GGG CCC CGG GTC CCC AAG ACC CTT GTG CTC GTT GTC GCC GCG GTC        264
91     Pro Gly Pro Arg Val Pro Lys Thr Leu Val Leu Val Val Ala Ala Val
92               -20              -15                 -10
93
94     CTG CTG TTG GTC TCA GCT GAG TCT GCT CTG ATC ACC CAA CAA GAC CTA        312
95     Leu Leu Leu Val Ser Ala Glu Ser Ala Leu Ile Thr Gln Gln Asp Leu
96          -5                   1              5                   10
97
98     GCT CCC CAG CAG AGA GCG GCC CCA CAA CAA AAG AGG TCC AGC CCC TCA        360
99     Ala Pro Gln Gln Arg Ala Ala Pro Gln Gln Lys Arg Ser Ser Pro Ser
```

RAW SEQUENCE LISTING
PATENT APPLICATION   *US/09/042,583*

INPUT SET: S24576.raw

```
100                        15                      20                      25
101
102   GAG GGA TTG TGT CCA CCT GGA CAC CAT ATC TCA GAA GAC GGT AGA GAT        408
103   Glu Gly Leu Cys Pro Pro Gly His His Ile Ser Glu Asp Gly Arg Asp
104              30                  35                  40
105
106   TGC ATC TCC TGC AAA TAT GGA CAG GAC TAT AGC ACT CAC TGG AAT GAC        456
107   Cys Ile Ser Cys Lys Tyr Gly Gln Asp Tyr Ser Thr His Trp Asn Asp
108              45                  50                  55
109
110   CTC CTT TTC TGC TTG CGC TGC ACC AGG TGT GAT TCA GGT GAA GTG GAG        504
111   Leu Leu Phe Cys Leu Arg Cys Thr Arg Cys Asp Ser Gly Glu Val Glu
112              60                  65                  70
113
114   CTA AGT CCC TGC ACC ACG ACC AGA AAC ACA GTG TGT CAG TGC GAA GAA        552
115   Leu Ser Pro Cys Thr Thr Thr Arg Asn Thr Val Cys Gln Cys Glu Glu
116   75                  80                  85                  90
117
118   GGC ACC TTC CGG GAA GAA GAT TCT CCT GAG ATG TGC CGG AAG TGC CGC        600
119   Gly Thr Phe Arg Glu Glu Asp Ser Pro Glu Met Cys Arg Lys Cys Arg
120              95                  100                 105
121
122   ACA GGG TGT CCC AGA GGG ATG GTC AAG GTC GGT GAT TGT ACA CCC TGG        648
123   Thr Gly Cys Pro Arg Gly Met Val Lys Val Gly Asp Cys Thr Pro Trp
124              110                 115                 120
125
126   AGT GAC ATC GAA TGT GTC CAC AAA GAA TCA GGC ATC ATC ATA GGA GTC        696
127   Ser Asp Ile Glu Cys Val His Lys Glu Ser Gly Ile Ile Ile Gly Val
128              125                 130                 135
129
130   ACA GTT GCA GCC GTA GTC TTG ATT GTG GCT GTG TTT GTT TGC AAG TCT        744
131   Thr Val Ala Ala Val Val Leu Ile Val Ala Val Phe Val Cys Lys Ser
132              140                 145                 150
133
134   TTA CTG TGG AAG AAA GTC CTT CCT TAC CTG AAA GGC ATC TGC TCA GGT        792
135   Leu Leu Trp Lys Lys Val Leu Pro Tyr Leu Lys Gly Ile Cys Ser Gly
136   155                 160                 165                 170
137
138   GGT GGT GGG GAC CCT GAG CGT GTG GAC AGA AGC TCA CAA CGA CCT GGG        840
139   Gly Gly Gly Asp Pro Glu Arg Val Asp Arg Ser Ser Gln Arg Pro Gly
140              175                 180                 185
141
142   GCT GAG GAC AAT GTC CTC AAT GAG ATC GTG AGT ATC TTG CAG CCC ACC        888
143   Ala Glu Asp Asn Val Leu Asn Glu Ile Val Ser Ile Leu Gln Pro Thr
144              190                 195                 200
145
146   CAG GTC CCT GAG CAG GAA ATG GAA GTC CAG GAG CCA GCA GAG CCA ACA        936
147   Gln Val Pro Glu Gln Glu Met Glu Val Gln Glu Pro Ala Glu Pro Thr
148              205                 210                 215
149
150   GGT GTC AAC ATG TTG TCC CCC GGG GAG TCA GAG CAT CTG CTG GAA CCG        984
151   Gly Val Asn Met Leu Ser Pro Gly Glu Ser Glu His Leu Leu Glu Pro
152   220                 225                 230
```

RAW SEQUENCE LISTING
PATENT APPLICATION *US/09/042,583*

INPUT SET: S24576.raw

```
153
154   GCA GAA GCT GAA AGG TCT CAG AGG AGG AGG CTG CTG GTT CCA GCA AAT    1032
155   Ala Glu Ala Glu Arg Ser Gln Arg Arg Arg Leu Leu Val Pro Ala Asn
156   235             240             245                 250
157
158   GAA GGT GAT CCC ACT GAG ACT CTG AGA CAG TGC TTC GAT GAC TTT GCA    1080
159   Glu Gly Asp Pro Thr Glu Thr Leu Arg Gln Cys Phe Asp Asp Phe Ala
160           255             260             265
161
162   GAC TTG GTG CCC TTT GAC TCC TGG GAG CCG CTC ATG AGG AAG TTG GGC    1128
163   Asp Leu Val Pro Phe Asp Ser Trp Glu Pro Leu Met Arg Lys Leu Gly
164           270             275             280
165
166   CTC ATG GAC AAT GAG ATA AAG GTG GCT AAA GCT GAG GCA GCG GGC CAC    1176
167   Leu Met Asp Asn Glu Ile Lys Val Ala Lys Ala Glu Ala Ala Gly His
168           285             290             295
169
170   AGG GAC ACC TTG TAC ACG ATG CTG ATA AAG TGG GTC AAC AAA ACC GGG    1224
171   Arg Asp Thr Leu Tyr Thr Met Leu Ile Lys Trp Val Asn Lys Thr Gly
172       300             305             310
173
174   CGA GAT GCC TCT GTC CAC ACC CTG CTG GAT GCC TTG GAG ACG CTG GGA    1272
175   Arg Asp Ala Ser Val His Thr Leu Leu Asp Ala Leu Glu Thr Leu Gly
176   315             320             325             330
177
178   GAG AGA CTT GCC AAG CAG AAG ATT GAG GAC CAC TTG TTG AGC TCT GGA    1320
179   Glu Arg Leu Ala Lys Gln Lys Ile Glu Asp His Leu Leu Ser Ser Gly
180               335             340             345
181
182   AAG TTC ATG TAT CTA GAA GGT AAT GCA GAC TCT GCC ATG TCC            1362
183   Lys Phe Met Tyr Leu Glu Gly Asn Ala Asp Ser Ala Met Ser
184           350             355             360
185
186   TAAGTGTGAT TCTCTTCAGG AAGTGAGACC TTCCCTGGTT TACCTTTTTT CTGGAAAAAG    1422
187
188   CCCAACTGGA CTCCAGTCAG TAGGAAAGTG CCACAATTGT CACATGACCG GTACTGGAAG    1482
189
190   AAACTCTCCC ATCCAACATC ACCCAGTGGA TGGAACATCC TGTAACTTTT CACTGCACTT    1542
191
192   GGCATTATTT TTATAAGCTG AATGTGATAA TAAGGACACT ATGGAAAAAA AAAAAAAA      1600
193
194
195   (2) INFORMATION FOR SEQ ID NO:2:
196
197       (i) SEQUENCE CHARACTERISTICS:
198           (A) LENGTH: 411 amino acids
199           (B) TYPE: amino acid
200           (D) TOPOLOGY: linear
201
202       (ii) MOLECULE TYPE: protein
203
204       (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:
205
```

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/042,583

INPUT SET: S24576.raw

```
206   Met Glu Gln Arg Gly Gln Asn Ala Pro Ala Ala Ser Gly Ala Arg Lys
207   -51 -50                -45                -40
208
209   Arg His Gly Pro Gly Pro Arg Glu Ala Arg Gly Ala Arg Pro Gly Pro
210   -35                -30                -25                -20
211
212   Arg Val Pro Lys Thr Leu Val Leu Val Val Ala Ala Val Leu Leu Leu
213                 -15                -10                -5
214
215   Val Ser Ala Glu Ser Ala Leu Ile Thr Gln Gln Asp Leu Ala Pro Gln
216                 1             5                10
217
218   Gln Arg Ala Ala Pro Gln Gln Lys Arg Ser Ser Pro Ser Glu Gly Leu
219       15                20                25
220
221   Cys Pro Pro Gly His His Ile Ser Glu Asp Gly Arg Asp Cys Ile Ser
222   30                35                40                45
223
224   Cys Lys Tyr Gly Gln Asp Tyr Ser Thr His Trp Asn Asp Leu Leu Phe
225             50                55                60
226
227   Cys Leu Arg Cys Thr Arg Cys Asp Ser Gly Glu Val Glu Leu Ser Pro
228             65                70                75
229
230   Cys Thr Thr Thr Arg Asn Thr Val Cys Gln Cys Glu Glu Gly Thr Phe
231       80                85                90
232
233   Arg Glu Glu Asp Ser Pro Glu Met Cys Arg Lys Cys Arg Thr Gly Cys
234       95                100               105
235
236   Pro Arg Gly Met Val Lys Val Gly Asp Cys Thr Pro Trp Ser Asp Ile
237   110               115               120               125
238
239   Glu Cys Val His Lys Glu Ser Gly Ile Ile Ile Gly Val Thr Val Ala
240             130               135               140
241
242   Ala Val Val Leu Ile Val Ala Val Phe Val Cys Lys Ser Leu Leu Trp
243             145               150               155
244
245   Lys Lys Val Leu Pro Tyr Leu Lys Gly Ile Cys Ser Gly Gly Gly Gly
246             160               165               170
247
248   Asp Pro Glu Arg Val Asp Arg Ser Ser Gln Arg Pro Gly Ala Glu Asp
249       175               180               185
250
251   Asn Val Leu Asn Glu Ile Val Ser Ile Leu Gln Pro Thr Gln Val Pro
252   190               195               200               205
253
254   Glu Gln Glu Met Glu Val Gln Glu Pro Ala Glu Pro Thr Gly Val Asn
255             210               215               220
256
257   Met Leu Ser Pro Gly Glu Ser Glu His Leu Leu Glu Pro Ala Glu Ala
258             225               230               235
```

SEQUENCE VERIFICATION REPORT
PATENT APPLICATION   *US/09/042,583*

INPUT SET: S24576.raw

Line	Error	Original Text
30	Wrong application Serial Number	(A) APPLICATION NUMBER: US herewith